

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 January 2004 (22.01.2004)

PCT

(10) International Publication Number
WO 2004/006948 A1

(51) International Patent Classification⁷: **A61K 38/18**,
47/32, C07K 14/505, A61P 7/06

(21) International Application Number:
PCT/IB2002/004690

(22) International Filing Date:
8 November 2002 (08.11.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
P-200200176 17 July 2002 (17.07.2002) SI

(71) Applicant (for all designated States except US): **LEK
PHARMACEUTICALS D.D.** [SI/SI]; Verovskova 57,
1526 Ljubljana (SI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VUKMIROVIC,**
Andreja [SI/SI]; Dergomaska 16, 1000 Ljubljana (SI).
ROZMAN, Tanja [SI/SI]; Ul. Frankolovskih zrtev 11A,
3000 Celje (SI). **SVETEK, Jelka** [SI/SI]; Prusnikova 13,
1210 Ljubljana (SI). **PARIS, Alenka** [SI/SI]; Trzaska 121,
1000 Ljubljana (SI).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK,
TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: STABLE PHARMACEUTICAL COMPOSITION COMPRISING ERYTHROPOIETIN

(57) Abstract: The present invention provides a new stable pharmaceutical composition of erythropoietin (EPO) that is stabilised with PVP.

Best Available Copy

WO 2004/006948 A1